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 TI Concrete composition containing industrial wastes
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 PA Rom.
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 CC 58-2 (Cement, Concrete, and Related Building Materials)
 Section cross-reference(s): 60

FAN.CNT 1

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AB The concrete compn. contains **Portland cement**, sand
 with 7 mm particle size, and sludge resulting from clarifying waste
 waters
 after treating waste solns. from Cd and Cr electrochem. deposition, to
 which are added: **slag** with .gtoreq.44.8% CaO content,
fly ash, lime, silica fume, and **sodium**
silicate water proofing additive. The waste waters are treated
 for cyan removing with sodium hypochlorite, and for reducing Cr6+ to Cr3+
 with ferrous sulfate. Formation of calcium hydrosilicates reduces
 permeability and enhances durability of the matrix.
 ST **portland cement** sludge modifier **sodium**
silicate concrete manuf
 IT